

40-3007

Rational Technical Improvements on Simple Coke Ovens
4 pp.

CHINESE, per, Yeh-chin Pao, No 42, 23 Oct 1959,
pp 40-42.

JPRS 3444

FE - China

Econ - Metallurgy

Jul 60

119,821

(HY-3984).

Hsiang-shan Iron Mine Developed in the Course of
the Big Leap Forward, 2 pp.

CHINESE, per, Yeh-chin Pao, No 44, 6 Nov 1959,
p 47.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

(NY-3984).

A Good Design Combining Modern With Native Methods, 1 p.

CHINESE, per, Yeh-chin Pao, No 44, 6 Nov 1959, p 50.

JPRS 2717

FE - China

Econ - Metallurgical Industry

Jun 60

(NY-3984).

Important Measure for Increase of Production From
Open Hearth Furnaces, 9 pp.

CHINESE, per, Yeh-chin Pao, No 44, 6 Nov 1959,
pp 62-64.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,391

(NY-3984).

Raise High the "Multi-~~Bar~~ Rapid-Rolling" Red
Banner and March Forward, 8 pp.

CHINESE, per, Yeh-chin Pao, No 44, 6 Nov 1959,
pp 64-66.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,392

(NY-3984).

Vigorously Develop Technological Revolution,
Intensify Working of Non-Ferrous Minerals, 8 pp.

CHINESE, per, Yeh-chin Pao, No 44, 6 Nov 1959, pp 69-71.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,385

(DC-3667)

Native Copper Smelter at Hsueh-shan, 2 pp.

CHINESE, per, Yeh-chin Pao, No 45, 13 Oct 1959,
p 50.

JPRS 3444

FE - China

Econ - Metallurgy

Jul 60

(DC-3667)

Leap Forward in Electric Furnace Production, 3 pp.

CHINESE, per, Yeh-chin Pao, No 45, 13 Oct 1959,
pp 58-60.

JPRS 3444

FE -- China

Econ -- Metallurgy

Jul 60

119,814

(50-3001)

Improve Mill Recovery and Raise Concentrate Quality.
4 pp.

CHINESE, per, Yeh-chin Pao, No 45, 13 Oct 1959,
pp 60-62.

JPRS 3444

FE - China

Econ - Metallurgy

Jul 60

119,815

(DC-3667)

Do Well in Small Aluminum Plants to Accelerate the
Development of the Aluminum Industry, 3 pp.

CHINESE, per, Yeh-chin Pao, No 46, 20 Nov 1959,
pp 28-31.

JPRS 3444

FE - China

Econ.- Metallurgy

Jul 60

119, 816

(DC-3687)

Greatly Reduce Aluminum Ingot Production, 4 PP.

CHINESE, per, Yeh-chin Pao, No 46, 20 Nov 1959;
pp 31, 38, 39.

JPRS 3444.

FE - China

Econ. - Metallurgy

Jul 60

119,810

(UC-3007)

Principal Measures Taken in Attaining High
Production, Good Quality, Low Consumption, and Long
Life in Small Aluminum Plant Operations, 5 pp.

CHINESE, per, Yeh-chin Pao, No 46, 20 Nov 1959,
pp 35-38.

JPRS 3444

FE - China

Econ - Metallurgy

Jul 60

119,817

(NY-8934).

Current Tasks in Capital Construction, 6 pp.

CHINESE, per, Yeh-chin Pao, No 47, 27 Nov ~~1958~~ 1959,
pp 19, 20.

JPRS 2717

FE - China

Econ - Metallurgical Industry

Jun 60

118,386

(NY-3934).

Overall Big Leap Forward in Metallurgical Construction,
2 pp.

CHINESE, per, Yeh-chin Pao, No 47, 27 Nov 1959,
pp 22, 23.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

(NY-3984).

Mines Serving Open Hearth Furnaces Must Continue the
Big Leap Forward in 1960, 4 pp.

CHINESE, per, Yeh-chin Pao, No 47, 27 Nov 1959,
pp 27, 21.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,387

(NY-3984).

Small-Scale Iron and Steel Integrated Enterprises
Have Done Many Things for Rural Areas During Great
Leap ~~Forward~~ Forward, 10 pp.

CHINESE, per, Yeh-chin Pao, No 47, 27 Nov 1959,
pp 32-34.

JPRS 271.7

FE - China
Econ - Metallurgical Industry
Jun 60

118,388

(NY-3984).

"ALL Red Over" In Small Blast Furnaces in Yunnan,
3 pp.

CHINESE, per, Yeh-chin Pao, No 48, 4 Dec 1959, pp 18, 19.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,381

(NY-3984).

Great Future Ahead of Converter Steel Furnaces,
by Yu Ching-Sheng, 13 pp.

CHINESE, per, Yeh-chin Pao, No 48, 4 Dec 1959,
pp 26-29.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,382

(NY-3984).

Non-Ferrous Small Modern Plants are Flourishing,
3 pp.

CHINESE, per, Yeh-chin Pao, No 49, 12 Dec 1959,
p 32.

JPRS 2717

119,374

FE - China
Econ - Metallurgical Industry
Jun 60

(NY-3984).

Hupei Province Energetically Develops Non-Ferrous
Metals Industry, 2 pp.

CHINESE, per, Yeh-chin Pao, No 49, 12 Dec 1959,
p 33.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

(NY-3984).

Shenyang Achieves Double Leap Forward in Output
and Quality of Non-ferrous Metals, 1 p.

CHINESE, per, Yeh-chin Pao, No 49, 12 Dec 1959,
p 34.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

(NY-3984).

Szechwan Copper, Lead and Zinc Output Increases,
3 pp.

CHINESE, per, Yeh-chin Pao, No 49, 12 Dec 1959,
p 34.

JPRS 2717

FE & China
Econ - Metallurgical Industry
Jun 60

118,383

(NY-3984).

Difficulties Overcome in Construction of Tangshan'
Aluminum Plant, 4 pp.

CHINESE, per, Yeh-chin Pao, No 49, 12 Dec 1959,
pp 35, 36.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

118,384

(NY-3984).

Prepare Well for the "Red All Over" at the Very
Start of 1960 in Non-Ferrous Metals Industry,
2 pp.

CHINESE, per, Yeh-chin Pao, No 51, 23 Dec 1959,
p 32.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

(NY-3984).

Auxiliary Materials Mines Must Also Continue
Great Leap Forward, 2 pp.

CHINESE, per, Yeh-chin Pao, No 51, 23 Dec 1959,
p 34.

JPRS 2717

FE - China
Econ - Metallurgical Industry
Jun 60

Developments in Nonferrous Ore-Dressing Plants,
6 pp.

CHINESE, per, Yeh-chin pao, No 3, 18 Jan 1960,
pp 3-7 (excerpts).

JPRS 6174

FE - China
Econ
Nov 60

133,507

(DC 4000)

Principal Technical Measures to Carry Out the
Construction of Small Mine and Pressing Plants
With Speed and Low Investment and for High
Production of High Grade [Nonferrous Concentrates]
at Low Cost, 9 pp.

CHINESE, per, Yeh-chin pao, No 3, 18 Jan 1960,
pp 8-11.

JPRS 6174

FE - China
Econ
Nov 60

133,508

(S-4000)

Build Small Tungsten Beneficiation Plants to
Produce More Tungsten for the State, 4 pp.

CHINESE, per, Yeh-chin pao, No 3, 18 Jan 1960,
pp 19, 20.

JPRS 6174

FE - China
Econ
Nov 60

133,502

(S-4000)

#35

(LIC-14056.)

The Best Policy is to Manufacture Your Own Ore
Dressing Agents," by Teng Ch'ing-nien,

CHINESE, per, Yeh-chin Pao, No 3, 18 Jan 1960,
pp 39.

*JPRS

FE - China

Econ - Metallurgy

7 Jun 60
79

(MI-4280)

Engineering Design Matching Sets, 7 pp.

CHINESE, per, Yeh-chin Pao, No 5, 4 Feb 1960,
pp 9, 10.

JPRS 5641

FE - China

Econ

135,600

Mar 60

Comparison of Technical and Economic Data on
Iron Ferrous Metal Mining in 1959, 6 pp.

CHINESE, per, Yeh-chin Pao, No 6, 11 Feb 1960,
pp 43, 44.

JPRS 5641

FE - China
Econ
Nov 60

133,601

#35

(NY-4238)

Metallurgy in China,

CHINESE, per, Yeh-chin Pao, No ~~5~~ 6, 7, Feb 1960,
(Extracts).

*JPRS

FE - China

Econ - Metallurgical Industry

25 May 60

Major Achievements in Mine Construction by the
Metallurgical Industry During Last Two Years,
8 pp.

CHINESE, per, Yeh-chin pao, No 13, 4 Apr 1960,
pp 21-24.

JPRS 6174

FE - China
Econ
Nov 60

133,503

(NY-5021).

The Development of Using Converters to Refine Steel Is
A Long-sighted Policy, 6

CHINESE, per, Yeh-chin Pao, No 190, 18 Apr 1960,
pp 14-16.

*JPRS

FE - China

Econ - Metallurgy

15 Sep 60

(100-500000).

A Worthy Guarantee, 3/11/60

CHINESE, per, Yeh-chin Pao, No 189, 11 Apr 1960,
pp 39-40.

*JPRS 50000

FE - China

Econ - Metallurgy

15 Sep 60

(NY-5021).

Summon All Energy to Fulfill The Second Quarter
Quota of Ore Production,

CHINESE, per, Yeh-chin Pao, No 189, 11 Apr 1960,
pp 28-29.

*JPRS

FE - China

Econ - Metallurgy

15 Sep 60

(NY-502/).

Comparative Technical and Economic Indexes of March
Iron and Steel Production, ³ 41

CHINESE, per, Yeh-chin Pao, No 189, 11 Apr ¹⁹⁶⁰ 60, pp 14-
15.

*JPRS 5744

FE - China

Econ - Metallurgy

15 Sep 60

35

(AC-4220).

Metallurgy in China,

CHINESE, ¹⁹⁵⁹pp, Yeh-chin Pao (~~Metallurgical News~~),
No 192, 193, 194, 195; 1, 3, 7, 10 May 1960,
pp 1, 2, 3, 4.

*JPRS

FE-China

EC 040

Metallurgy

26 Jul 60

(NY-5021).

The Ministry of Metallurgy Decides to Promote A
Batch of Important Advanced Experience, 2 pp.

CHINESE, per, Yeh-chin Pao, No 196, 13 May 1960,
p 1.

*JPRS 57114

FE - China

Econ - Metallurgy

15 Sep 60

(NY-5021).

Five 1,000 Meters Geological Drilling Provinces
Appear in the Nation,

CHINESE, per, Yeh-chin Pao, No 196, 13 May 1960,
p 3.

*JPRS 5747

FE - China

Econ - Metallurgy

15 Sep 60

(HY-5021)

The Great Change in Metallurgical Industry in
Kirin, by Yeh Ho-yu, 4 pp.

CHINESE, per, Yeh-chin Pao, No 196, 13 May 1960,
p 4.

JPRS 5744

FE - China

Econ

Jan 61

138,621

To Forget the Enemy is to Forget the Revolution,
5 pp.
CHINESE, per. Yeh-chan Pao, No 12/13, Mar 1968.
JPRS 46220

FE-Comm China
Pol
Sep 68

365,512

A-2539

(NY-4577).

Economic Geography of the Yen-Pien Korean
Autonomous Chou, by Li Chen-ch'uan, 131 pp.

CHINESE, monograph, Yen-pien Chao-hsien-tou Tzu-chih
Chou Ching-chi Ti-li, Shanghai, Apr 1957, pp 1-84.

JPRS-2019-2

PE - China
Econ - Geog
Dec 59

101,449

Strength Testing of After-Burner Chamber.

JAPANESE, pamphlet, Yatsushitsu no Kyodo Shikon,
publ by Technical Research Institute, Rpt No 370,
30 Mar 1957, 78 pp. (ADC 29 Nov 1957)

6004th AISE Tr S-3B-181

Sci - Engineering
Nov 57

54, 975

TT-62-28729

Yamaguchi, G.
ÉTUDE SUR LES ABRASIFS. I. LA COMPOSITION
CHIMIQUE ET LE POIDS SPÉCIFIQUE DES GRAINS
(Studies on Abrasive Materials. I. Chemical Con-
stituents and Specific Gravity of Grain). 10p. (foreign
text included) CNRS-VI 97.
Order from OTS, ETC or CNRS 51.10 TT-62-28729

Trans. in French of [Yogyo Kyokaishi] (Japan)
1943, v. 51, p. 423-428.

DESCRIPTORS: *Abrasives, Chemical compounds,
Powders, Density.

(Materials, TT, v. 11, no. 8)

I. Yamaguchi, G.
II. CNRS-VI 97
III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

DD

TT-65-13772

Field 11B

Nagai, S.; Imaoka, M.
STUDIES ON HIGH-ALUMINA MINERALS. REPORT NO. 3.
SOLUBILITY OF SILICA-ALUMINA MINERALS IN CAUSTIC
SODA. 12p (foreign text included).
Order from SLA: \$1.60 as TT-65-13772

Trans. of Yogyo Kyokaiishi (Japan) v52 p267-9 1944.

MR 664

Segawa, Kiyoshi.
THE REACTION SPEED OF SOLIDS, STUDIED BY
THERM ANALYTICAL METHODS. I. STUDY OF
METHOD. II. BASIC STUDY OF SPEED OF DIFFU-
SION REACTION. III. REACTION OF CaO AND
 SiO_2 . 19p (3 figs 3 refs tables omitted).
Order from SLA \$1.10

TT-64-18297

Trans. of [Yogyo Kyokaiishi] (Japan) 1948, v. 56
[p. 7-10, 59-62, 99-101].

(Materials--Ceramics, TT, v. 12, no. 7)

TT-64-18297

I. Segawa, K.

Office of Technical Services

Mechanism of Adherence of Enamel to
Steel Surface, Parts 3, 4, 5, by Megumi
Tashiro.
JAPANESE, per, Yogyo Kyokai Shi,
Vol XLVIII, pp 51-54, 1950
*AEC

Sci-M&M
Sept 63

Studies on the Mechanism of Adherence
of Enamel on Steel Surface Parts III, IV,
V, by Megumi Tashiro.
JAPANESE, per, Yogyo Koykai Shi, Vol LVII,
1949, pp 124, 125; 149, 150; Vol LVIII, 1950,
pp 51-54. 9232013
AEC-UCRL-Tr-1278

Sci - Chem
Mar 66

296,494

Studies on Molding Compounds from Calcined
Gypsum and Synthetic Resins. Part 1, by
S. Nagai.
JAPANESE, per, Yogyo Kyokai Shi, Vol 59,
No 658, 1951, pp 146-150.
ATS-JS-221

Sci-Chem
Mar 70

403,888

Maruyama, Reizo and Kawakubo, Syotiro.
STUDIES ON CHROMIUM CONTAINING GLASS.
[1962] [14]p. (foreign text included).
Order from SLA \$1.60

62-14534

Trans. of Yogyo Kyokai (Japan) 1951, v. 59,
no. 664, p. 482-485.

DESCRIPTORS: *Glass, *Chromium compounds,
*Oxides, Density, Thermal expansion, Water,
Resistance.

Effects of the addition of chromium oxide on the prop-
erties of glass were studied with three kinds of base
glass, determining specific gravities, thermal ex-
pansions, and chemical durabilities. Maximum
amounts of chromium oxide with which clear glass
could be obtained were different by different kinds of
base glass, being 8.5 weight percent of chromium
oxide in a soda-lime-silica glass and 5 percent in a
soda-silica glass. (Author)
(Materials--Ceramics, TT, v. 8, no. 5)

62-14534

I. Maruyama, R.
II. Kawakubo, S.

Office of Technical Services

Ohno, Y.
STUDIES ON LIMESTONE, LIME, AND SLAKED
LIME. IV. CARBONATION OF LIME MILK. Jan 61,
6p. 5 refs.
Order from SLA \$1.10

61-10753

Trans. of Yogyo Kyokaiishi (Japan) 1952, v. 60,
p. 548-552.

DESCRIPTORS: *Calcite, Separation, *Carbonization,
*Calcium compounds, *Oxides, *Carbonates, *Hydrox-
ides, Carbon dioxide, Absorption.

(Chemistry--Physical, IT, v. 6, no. 10)

61-10753

I. Ohno, Y.
II. Title: Carbonation ...

Office of Technical Services

Studies of Fluoride Glass. II. The Systems
 $\text{BaF}_2\text{-AlF}_3\text{-NaF}$, KF , CaF_2 (MgF_2 , SrF_2 , BaF_2), by H.
Imachi, 5 pp.

JAPANESE, Nat. Res. Kyokai Shi, Vol LXII, 1957,
pp 24-27.

ADC HP-tr-295

Jan 60

165,598

A Study of the Oxidation of Pure Silicon
Carbide Powders, by H. Suzuki.
JAPANESE, per, Yogyo Kyokai Shi, Vol LXV,
1957, pp 88-93.
NASA TT F-10,211

U. S. GOVERNMENT USE ONLY
Sci-Chem
Aug 66

309,654

62-26465

Sakka, S.
EFFET DU RECHAUFFEMENT SUR LA RÉSISTANCE
MÉCANIQUE DES FIBRES DE VERRE (Effects of Re-
heating on the Strength of Glass Fibers). 6p. 7 refs.
FX-1101.

Order from OTS, ETC or CNRS \$0.80 62-26465

Trans. in French of Yogyo Kyokai (Japan) 1957,
v. 65, p. 190ff.

DESCRIPTORS: *Glass textiles, Mechanical properties,
Heating, *Fluorides, Hydrogen compounds,
Tensimeters.

(Materials--Textiles, TT, v. 10, no. 7)

- I. Sakka, S.
- II. FX-1101
- III. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

Sakka, S.
EFFET DU RÉCHAUFFEMENT SUR LA RÉSISTANCE
MÉCANIQUE DES FIBRES DE VERRE (Effect of Re-
heating on the Strength of Glass Fibers). 6p. 7refs.
CNRS-VI-747.
Order from OTS, ETC or CNRS \$0.80 TT-62-26465

Trans. in French of Yogyo Kyokaishi (Japan) 1957,
v. 65, p. 190-192.
Trans. in English available from SLA mi\$1.80,
ph\$1.80 as 61-10157.

DESCRIPTORS: *Glass textiles, Mechanical properties,
Heating, Structures, Fluorides, Hydrogen compounds,
Surfaces, Tensileometers.

(Materials--Textiles, TT, v. 11, no. 7)

TT-62-26465 rev.

- I. Sakka, S.
- II. CNRS-VI-747
- III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

Thermal Diffusivity and the Coefficient of
Convictional Heat Transfer in the ~~XXXXX~~ Lower
Temperature Range (smoking period) During the
Burning of Fireclay Brick. Part i. Studies on
the Firing Schedule for Burning Fireclay Bricks,
K. Terada, W. M. Wakamatsu, et al.

JAPANESE, ~~pr.~~ Yogyo Kyokai Shi, Vol LXVI, 1958,
p 110.

B E Ceram R.A. 471

Sci
Jan 63

63-18618

Hara, Masayoshi, Yamamoto, Tokuji, Konishi, Akio,
and Arimori, Tuiyoshi.

THE ELECTROCHEMICAL STUDY OF THE COR-
ROSION OF THE REFRACTORY BY MOLTEN GLASS.
1. ON THE ELECTROMOTIVE FORCES GENERATED
BETWEEN REFRACTORY OXIDES AND GLASSES.

[1963] [25p] (foreign text included) 22refs

Order from SLA \$2.60

63-18618

Trans. of Yogyo Kyokai (Japan) 1959, v. 67, no. 1,
p. 20-27.

DESCRIPTORS: *Glass, Melting, Oxides, Electro-
chemistry, Refractory materials, Corrosion, Elec-
trodes, Clay minerals.

(Materials--Ceramics, TT, v. 10, no. 10)

1. Title: Electromotive
force

I. Hara, M.

II. Yamamoto, T.

III. Konishi, A.

IV. Arimori, T.

V. Title: On the ...

Office of Technical Services

63-14071

Naruse, Akira; Shimura, Fujio, and Watanabe, Akira.
INVESTIGATIONS INTO THREE-DIMENSIONAL FLOW
OF THE THROAT CURRENT IN A MODEL THROAT.
Rept. 3 of Studies on the Throat of a Glass Melting
Tank. [1963] [34]p. (foreign text included) 5 refs.
Order from SLA \$3.60 63-14071

Trans. of [Yogyo Kyokaiishi] (Japan) 1959, v. 67, no. 3,
p. 85-95.

DESCRIPTORS: *Glass, *Melting, *Fluid flow, Glycer-
ols, Velocity, Models (Simulation), Heat transfer,
Equations, Test equipment, Tests.

See also 60-18542

(Materials--Ceramics, TT, v. 10, no. 3)

1. Title: Throat current
theory
2. Title: Glass furnaces
1. Naruse, A.
- II. Shimura, F.
- III. Watanabe, A.
- IV. Title: Studies ...

Office of Technical Services

63-14073

Sawai, Kumuro; Kunugi, Masanaga, and others.
STUDIES ON THE CHARACTERISTICS OF CONVECTION CURRENT OF MOLTEN GLASS BY MEANS OF MODEL TECHNIQUES. [1963] [36]p. (foreign text included) 7 refs.
Order from SLA \$3.60

63-14073

Trans. of Yogyo Kyokaiishi (Japan) 1959, v. 67,
p. 301-311.

DESCRIPTORS: *Glass, *Furnaces, *Thermodynamics,
Fluid flow, Heat transfer, Simulation, Model tests.

The authors carried out a series of model experiments using glycerin in place of the molten glass. From the results obtained they pointed out some important characteristics of the convection current. Some of them are: (1) The change of heat input causes the proportional change of temperature gradients both in vertical (Materials--Ceramics, TT, v. 10, no. 5) (over)

I. Sawai, L
II. Kunugi, M.

Office of Technical Services

Studies on the Factors Affecting the Workability
(Fluidity) of Resins Used for the Injection
Molding of Ceramics. Studies on the Injection
Molding of Ceramics. Part I, by Asao MOTEKI,
40 pp.
JAPANESE, per Yogyo Kyokai Shi, Vol 67, 1959,
pp 387-399.
AEC SC-T-65-768

327,946

Sci - Materials
Jul 67

A Study on Various Factors in the Heating Treatment of the Injection Molded Ceramic Articles.
Studies on the Injection Molding of Ceramics.
Part II, by Asao MOTEKI, 31 pp.
JAPANESE, per, Yogyo Kyokai Shi, Vol 68, 1960,
pp 11-21.
ABC SC-T-65-0771

327,951

Sci - Materials
Jul 67

Properties of High Alumina Porcelain Produced
by Injection Molding Studies of the Injection
Molding of Ceramics. Part III, by Asao MOTOHAKI,
28 pp.
JAPANESE, par, Yogyo Kyokai Shi, Vol 68, 1960,
pp 23-32.
AEC SC-T-65-0770

327,945

Sci - Materials
Jul 67

Studies on the Devitroceram of the
System $\text{CaO} \cdot \text{TiO}_2 \cdot \text{SiO}_2 \cdot \text{Li}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot$
 $4\text{SiO}_2 \cdot \text{Li}_2\text{O} \cdot 2\text{SO}_2$, by T. Moriya, T.
Sakaino, H. Saino, K. Takizuwa.
JAPANESE, per, Yogyo Kyokai Shi, Vol 68,
No 4, 1960, pp. 103-9.
NTC 69-10546-11B

Sci-Mat
July 69

386,749

62-20171

Tashiro, Megumi; Soga, Naohiro; and Sakka, Sumio.
A STUDY OF THE ABSORPTION SPECTRA OF
CERIUM IN GLASSES. [1962] 16p. 14 refs.
Order from SLA \$1.60 62-20171

I. Tashiro, M.
II. Soga, N.
III. Sakka, S.

Trans. of [Yogyo Kyokaiishi] (Japan) 1960, v. 68, no
no. 773, p. 132-137.

DESCRIPTORS: *Glass, Silicates, Phosphates, *Cerium,
*Absorption spectrum, Spectra (Visible and ultra-
violet).

By preparing glasses containing cerium under various
conditions, their light absorptions were investigated.
As a result, the following points were established: (1) In
the silicate glass, the trivalent cerium ions have an
absorption band which is sharp but not very large, with
a maximum at 320 mμ, and the tetravalent cerium ions
have a wide and large absorption band covering the
(Materials--Ceramics, TT, v. 9, no. 10) (over)

Office of Technical Services

Behavior of Certain Ions in Glasses
Exposed to X-rays, by M. Tashiro, N.
Soga, S. Sakka.
JAPANESE, per, Yogyo Kwokai shi, Vol
68, 1960, 169-73.
NTC 69-10734-11B

Sci-Mat
July 69

386,766

TT-64-14068

Moriya, Taro, Akao, Yoji, and Hatano, Naobumi.
PROCESS OF DEVITRIFICATION OF $Al_2O_3-P_2O_5$
GLASSES Pt. 1 of Studies on Devitrification of
Phosphate Glasses. [1964] [29p] (foreign text included)
10 refs

Order from SLA \$2.60

TT-64-14068

Trans. of Yogyo Kyokai (Japan) 1960, v. 68, no. 6,
p. 145-153.

- I. Moriya, T.
- II. Akao, Y.
- III. Hatano, N.
- IV. Title: Studies...

(Materials--Ceramics, TT, v. 12, no. 2)

Office of Technical Services

Mechanical Strength of Polycrystalline
Materials Produced from Platinum-Containing
Glasses, by M. Tashiro, S. Sakka. 63 p.
JAPANESE, per, Yogyo Kyokai shi, Vol 68,
No 10, 1960, pp 223-231.
SIA TT-66-10672

Sci-M&M
Jul 66

305,600

The Effects of Heat Treatment on the
Strength of Polycrystalline Material
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